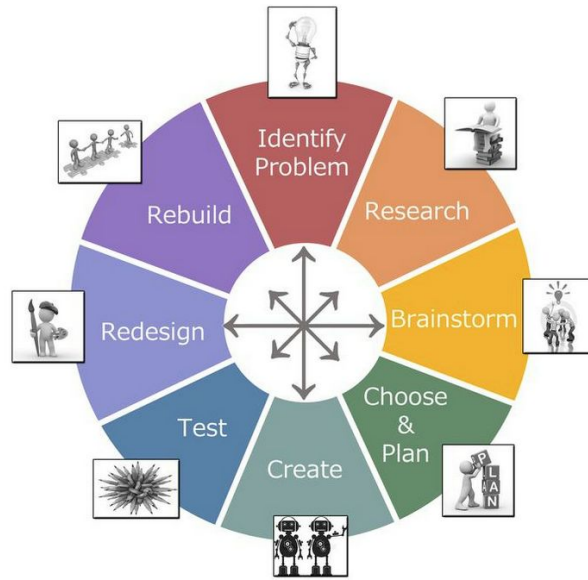


Robotics Writing Prompt



In a five-paragraph (or more!) essay format, you will individually write up your team's Sumo Bot process, identifying and explaining each part of the Engineering Design Process.

Use the example writing below to understand what is expected. You will write this up in a Google Doc titled "Engineering Design Process" (make sure your name is at the top of the doc!) and share it with your teacher **no later than 7:30 a.m. on Tuesday, February 16th:**

cileen_adair@dpsk12.org or matthew_santambrogio@dpsk12.org

- | | |
|---------------------|-------------|
| a. Identify problem | e. Create |
| b. Research | f. Test |
| c. Brainstorm | g. Redesign |
| d. Choose & Plan | h. Recreate |

Paragraph 1: Introduction. Include a three-part thesis statement.

Example:

On a cold and snowy evening in November, my two sisters, Angie and Paula, and I were stuck in the house together with nothing to do and a craving for some home baked cookies. Rather than sit around and mope we decided to do something about it. **(Thesis Statement): We believed that using the Engineering Design Process by first conducting research, then choosing a plan, and finally creating something, we would be able to cure both our boredom and our hunger.**

Paragraph 2: Begin with a topic sentence representing the first item in your thesis statement. Explain that process in detail using examples.

Example:

Our first task was to do some research and find the best cookie recipe that used ingredients that we had on hand. We determined that our favorites are chocolate chip cookies, so we searched the web for a great recipe and found one by the queen of the kitchen, Martha Stewart. Then we set about searching the pantry for the proper ingredients. We were in luck; we found everything we needed. Thanks mom!

Paragraph 3: Begin with a topic sentence representing the second item in your thesis statement. Explain that process in detail using examples.

Example:

Now we needed a plan, because these cookies wouldn't be baking themselves. We split up the tasks into three areas: measuring, mixing, and baking. Angie would be in charge of measuring out all the ingredients accurately, Paula would be in charge of thoroughly mixing the ingredients into a rich, thick batter, and I would have the task of forming the batter into balls and baking them until golden brown.

Paragraph 4: Begin with a topic sentence representing the first item in your thesis statement. Explain that process in detail using examples.

Example:

With our plan in place, we now set about creating our masterpieces. Angie proved to be a very scientific measurer, quite adept with the spoon and cup. Paula mixed the batter with precision and grace, using our new Mixmaster, and - I must admit - my baking skills really sparkled.

Paragraph 5: Restate the thesis statement in a new way and explain how using this process resulted in your successful building of a robot.

Example:

As it turned out, using parts of the Engineering Design Process of conducting research, making a plan, and creating something, saved me and my sisters from suffering through a cold and boring night, and left us with bellies filled with yummy, gooey, chocolate chip cookies!